

Appl. No. : 09/191,997
Filed : November 13, 1998

4. (Amended) A purified or isolated nucleic acid comprising the nucleotides of one of SEQ ID NOs: [135-148, 150, 152-163, and 165-180] 136, 138, 139, 146, 150, 154, 156, 157, 167, and 169 which encode a mature protein.

b1 5. (Amended) A purified or isolated nucleic acid comprising the nucleotides of one of SEQ ID NOs: [134, 136-148, 150-154, 156-159, 161-165, 167-170, 172-174, and 176-180] 136, 138, 139, 146, 150, 154, 156, 157, 167, and 169 which encode the signal peptide.

6. (Amended) A purified or isolated nucleic acid encoding a polypeptide having the sequence of one of the sequences of SEQ ID NOs: [181-227] 183, 185, 186, 193, 197, 201, 203, 204, 214, and 216.

7. (Amended) A purified or isolated nucleic acid encoding a polypeptide having the sequence of a mature protein included in one of the sequences of SEQ ID NOs: [182-195, 197, 199-210, and 212-227] 183, 185, 186, 193, 197, 201, 203, 204, 214, and 216.

8. (Amended) A purified or isolated nucleic acid encoding a polypeptide having the sequence of a signal peptide included in one of the sequences of SEQ ID NOs: [181, 183-195, 197-201, 203-206, 208-212, 214-217, 219-221, and 223-227] 183, 185, 186, 193, 197, 201, 203, 204, 214, and 216.

13. (Amended) A method of making a protein comprising one of the sequences of SEQ ID NO: [181-227] 183, 185, 186, 193, 197, 201, 203, 204, 214, and 216, comprising the steps of:

b2 obtaining a cDNA comprising one of the sequences of sequence of [SEQ ID NO: 134-180] SEQ ID NOs: 136, 138, 139, 146, 150, 154, 156, 157, 167, and 169;

inserting said cDNA in an expression vector such that said cDNA is operably linked to a promoter; and

introducing said expression vector into a host cell whereby said host cell produces the protein encoded by said cDNA.

b3 18. (Amended) In an array of polynucleotides of at least 15 nucleotides in length, the improvement comprising inclusion in said array of at least one of the sequences of SEQ ID NOs: [134-180] 136, 138, 139, 146, 150, 154, 156, 157, 167, and 169, or one of the sequences complementary to the sequences of SEQ ID NOs: [134-180] 136, 138, 139, 146, 150, 154, 156, 157, 167, and 169, or a fragment thereof of at least 15 consecutive nucleotides.